

CAPNS2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP19354c

Specification

CAPNS2 Antibody (Center) - Product Information

Application WB,E
Primary Accession Q96L46

Other Accession
Reactivity
Q9D7J7, NP_115706.1
Human, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 27660
Antigen Region 55-83

CAPNS2 Antibody (Center) - Additional Information

Gene ID 84290

Other Names

Calpain small subunit 2, CSS2, Calcium-dependent protease small subunit 2, CAPNS2

Target/Specificity

This CAPNS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 55-83 amino acids from the Central region of human CAPNS2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CAPNS2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CAPNS2 Antibody (Center) - Protein Information

Name CAPNS2

Function Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of



substrates involved in cytoskeletal remodeling and signal transduction. This small subunit may act as a tissue-specific chaperone of the large subunit, possibly by helping it fold into its correct conformation for activity.

Cellular Location

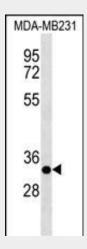
Cytoplasm. Cell membrane. Note=Translocates to the plasma membrane upon calcium binding.

CAPNS2 Antibody (Center) - Protocols

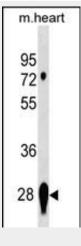
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CAPNS2 Antibody (Center) - Images



CAPNS2 Antibody (Center)(Cat. #AP19354c) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the CAPNS2 antibody detected the CAPNS2 protein (arrow).





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CAPNS2 Antibody (Center) (Cat. #AP19354c) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the CAPNS2 antibody detected the CAPNS2 protein (arrow).

CAPNS2 Antibody (Center) - Background

Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. This small subunit may act as a tissue-specific chaperone of the large subunit, possibly by helping it fold into its correct conformation for activity.

CAPNS2 Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Lamesch, P., et al. Genomics 89(3):307-315(2007) Ma, H., et al. Curr. Eye Res. 29 (4-5), 337-347 (2004) : Schad, E., et al. Biochem. J. 362 (PT 2), 383-388 (2002):